-143-

## **CLAIMS**

## 1. A compound of formula (I):

$$Z \xrightarrow{m} O \xrightarrow{R^4} R^5$$

formula (I)

wherein A is 5-membered heteroaryl containing a sulphur atom and optionally containing one or more nitrogen atoms;

X is O, S, S(O), S(O)<sub>2</sub> or NR<sup>14</sup>:

10 m is 0, 1, 2 or 3;

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 ${f Z}$  is a group selected from  $-NR^1R^2$ , phosphonooxy,  $C_{3\text{-}6}$ cycloalkyl which  $C_{3\text{-}6}$ cycloalkyl is substituted by phosphonooxy or  $C_{1\text{-}4}$ alkyl substituted by phosphonooxy, and a 4- to 7-membered ring linked via a carbon atom, containing a nitrogen atom and optionally containing a further nitrogen atom which ring may be saturated, unsaturated or partially

saturated, wherein the ring is substituted on carbon or nitrogen by phosphonooxy or C<sub>1-4</sub>alkyl substituted by phosphonooxy and wherein the ring is optionally further substituted on carbon or nitrogen by 1, 2 or 3 halo or C<sub>1-4</sub>alkyl groups;

 $R^1$  is a group selected from  $-COR^8$ ,  $-CONR^8R^9$  and  $C_{1-6}$  alkyl which  $C_{1-6}$  alkyl is substituted by phosphonooxy and optionally further substituted by 1 or 2 halo or methoxy groups;

R<sup>2</sup> is a group selected from hydrogen, -COR<sup>10</sup>, -CONR<sup>10</sup>R<sup>11</sup> and C<sub>1-6</sub>alkyl which C<sub>1-6</sub>alkyl is optionally substituted by 1, 2, or 3 halo or C<sub>1-4</sub>alkoxy groups or -S(O)<sub>p</sub>R<sup>11</sup> (where p is 0, 1 or 2) or phosphonooxy, or R<sup>2</sup> is a group selected from C<sub>2-6</sub>alkenyl, C<sub>2-6</sub>alkynyl, C<sub>3-6</sub>cycloalkyl and C<sub>3-6</sub>cycloalkylC<sub>1-4</sub>alkyl;

or R<sup>1</sup> and R<sup>2</sup> together with the nitrogen to which they are attached form a 4- to 7- membered 25 ring optionally containing a further nitrogen atom which ring may be saturated, unsaturated or partially saturated, wherein the ring is substituted on carbon or nitrogen, by a group selected from phosphonooxy and C<sub>1-4</sub>alkyl which C<sub>1-4</sub>alkyl is substituted by phosphonooxy or -NR<sup>8</sup>R<sup>9</sup>, and where the ring is optionally further substituted on carbon or nitrogen, by 1, 2 or 3 halo or  $C_{1-4}$ alkyl groups;

 $R^3$  is a group selected from hydrogen, halo, cyano, nitro,  $C_{1-6}$ alkoxy,  $C_{1-6}$ alkyl,  $-OR^{12}$ ,  $-CHR^{12}R^{13}$ ,  $-OC(O)R^{12}$ ,  $-C(O)R^{12}$ ,  $-NR^{12}C(O)R^{13}$ ,  $-C(O)NR^{12}R^{13}$ ,  $-NR^{12}SO_2R^{13}$  and  $-SR^{12}R^{13}$ ;

 $\mathbf{R}^4$  is hydrogen or a group selected from  $C_{1\text{-4}}$ alkyl, heteroaryl, heteroaryl $C_{1\text{-4}}$ alkyl, aryl and aryl $C_{1\text{-4}}$ alkyl which group is optionally substituted by 1, 2 or 3 substitutents selected from halo, methyl, ethyl, cyclopropyl and ethynyl;

R<sup>5</sup> is a group selected from hydrogen, C<sub>1-4</sub>alkyl, C<sub>2-4</sub>alkenyl, C<sub>2-4</sub>alkynyl, C<sub>3-6</sub>cycloalkyl and C<sub>3-6</sub>cycloalkylC<sub>1-4</sub>alkyl;

 ${f R}^6$  and  ${f R}^7$  are independently selected from hydrogen, halo,  $C_{1-4}$ alkyl,  $C_{3-6}$ cycloalkyl, hydroxy and  $C_{1-4}$ alkoxy;

 $\mathbf{R^8}$  is  $C_{1\!-\!4}$ alkyl substituted by phosphonooxy and optionally further substituted by 1 or 2 halo or methoxy groups;

15 R<sup>9</sup> is a group selected from hydrogen or C<sub>1-4</sub>alkyl;

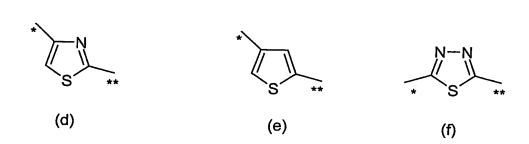
 $\mathbf{R^{10}}$  is a group selected from hydrogen and  $C_{1\text{-4}}$  alkyl which  $C_{1\text{-4}}$  alkyl is optionally substituted by halo,  $C_{1\text{-4}}$  alkoxy,  $S(O)_q$  (where q is 0, 1 or 2) or phosphonoxy;

 $\mathbf{R^{11}}$ ,  $\mathbf{R^{12}}$ ,  $\mathbf{R^{13}}$  and  $\mathbf{R^{14}}$  are independently selected from hydrogen,  $C_{1\text{-4}}$  alkyl or heterocyclyl; or a pharmaceutically acceptable salt thereof.

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2. A compound according to claim 1 wherein A is a group of formula (a), (b), (c), (d), (e) or (f):

$$\begin{array}{c} N \\ \\ \times \\ \\ \end{array}$$
 (a) (b) (c)



where \* is the point of attachment to the X group of formula (I) and \*\* is the point of attachment to the (CR<sup>6</sup>R<sup>7</sup>) group of formula (I); or a pharmaceutically acceptable salt thereof.

- 3. A compound according to claim 2 wherein A is a group of formula (a) as defined in 5 claim 2; or a pharmaceutically acceptable salt thereof.
  - 4. A compounds according to any one of claims 1, 2 or 3 wherein X is NH; or a pharmaceutically acceptable salt thereof.
- A compound according to any one of the preceding claims wherein Z is -NR¹R² or a 4- to 7-membered saturated ring linked via a carbon atom, containing a nitrogen atom, which ring is substituted on carbon or nitrogen by phosphonooxy or C₁-4alkyl substituted by phosponooxy; or a pharmaceutically acceptable salt thereof.
- 15 6. A compound according to any one of the preceding claims wherein R<sup>1</sup> is C<sub>1-5</sub>alkyl substituted by phosphonooxy and R<sup>2</sup> is hydrogen, 2-propynyl, methyl, ethyl, butyl, cyclopropyl, where the latter four groups are optionally substituted by fluoro, chloro, methoxy and ethoxy; or R<sup>1</sup> and R<sup>2</sup> together with the nitrogen to which they are attached form a saturated 5- to 6-membered ring optionally containing a further nitrogen atom wherein the
- 20 ring is substituted on carbon on nitrogen by a group selected from phosphonooxy, and C<sub>1-4</sub>alkyl which C<sub>1-4</sub>alkyl is substituted by phosphonooxy or -NR<sup>8</sup>R<sup>9</sup> and where the ring is optionally further substituted on carbon or nitrogen, by 1 or 2 C<sub>1-4</sub>alkyl groups; or a pharmaceutically acceptable salt thereof.
- 25 7. A compound according to any one of the preceding claims wherein R³ is C<sub>1-4</sub>alkoxy or hydrogen; or a pharmaceutically acceptable salt thereof.
- 8. A compound according to any one of the preceding claims wherein R<sup>4</sup> is phenyl optionally substituted by 1 or 2 of fluoro or chloro; or a pharmaceutically acceptable salt thereof.
  - 9. A compound selected from: (1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-yl)methyl dihydrogen phosphate;

- ((2R)-1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; 2-(4-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperazin-1-yl)ethyl dihydrogen phosphate;
- 5 1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-3-yl dihydrogen phosphate; 1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-3-yl dihydrogen phosphate; 2-(ethyl(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- methoxyquinazolin-7-yl)oxy)propyl)amino)ethyl dihydrogen phosphate;
   ((2S)-1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;
   2-(ethyl(((2S)-1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl)amino)ethyl dihydrogen
   phosphate;
- 1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-yl dihydrogen phosphate;
  2-((((2S)-1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl)amino)ethyl dihydrogen
  20 phosphate:
- 2-((3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)ethyl dihydrogen phosphate; 3-(ethyl(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)propyl dihydrogen phosphate;
- 2-((2-fluoroethyl)(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)ethyl dihydrogen phosphate; 2-(1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-yl)ethyl dihydrogen phosphate; 2-((3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- methoxyquinazolin-7-yl)oxy)propyl)(2-methoxyethyl)amino)ethyl dihydrogen phosphate; 2-((2S)-1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)ethyl dihydrogen phosphate;

- 2-((3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)-2-methylpropyl dihydrogen phosphate; ((2R)-1-(3-((4-((5-(2-((3-chlorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;
- 5 2-(1-(3-((4-((5-(2-((3-chlorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-yl)ethyl dihydrogen phosphate;
  2-(4-(3-((4-((5-(2-(3,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperazin-1-yl)ethyl dihydrogen phosphate;
  2-((3-((4-((5-(2-((3,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- methoxyquinazolin-7-yl)oxy)propyl)(methyl)amino)ethyl dihydrogen phosphate; ((2S)-1-(3-((4-((5-(2-((3,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; (1R)-2-((3-((4-((5-(2-((3,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)-1-methylethyl dihydrogen phosphate;
- 15 ((2R)-1-(3-((4-((5-(2-((3,4-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; ((2S)-1-(3-((4-((5-(2-((3,4-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; 1-(3-((4-((5-(2-((3,4-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- 20 methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-ylmethyl dihydrogen phosphate; (1-(3-((4-((5-(2-((2-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-yl)methyl dihydrogen phosphate; ((2R)-1-(3-((4-((5-(2-((2-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;
- 25 ((2S)-1-(3-((4-((5-(2-((2-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; 2-(ethyl(3-((4-((5-(2-((2-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)ethyl dihydrogen phosphate; 2-(1-(3-((4-((5-(2-((2-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- methoxyquinazolin-7-yl)oxy)propyl)piperidin-2-yl)ethyl dihydrogen phosphate; ((2R)-1-(3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;

- ((2S)-1-(3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; 2-((3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)(methyl)amino)ethyl dihydrogen phosphate;
- 5 2-(1-(3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-2-yl)ethyl dihydrogen phosphate;
  2-((3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)(ethyl)amino)ethyl dihydrogen phosphate;
  1-(3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- 10 methoxyquinazolin-7-yl)oxy)propyl)piperidin-4-ylmethyl dihydrogen phosphate;
  2-(4-(3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxy-quinazolin-7-yl)oxy)propyl)piperazin-1-yl)ethyl dihydrogen phosphate;
  3-((3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)-3-methylbutyl dihydrogen phosphate;
- 2-((3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)-2-methylpropyl dihydrogen phosphate;
  2-((3-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)amino)ethyl dihydrogen phosphate;
  ((2R)-1-(3-((4-((5-(2-((2,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- 20 methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; ((2S)-1-(3-((4-((5-(2-((2,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate; 2-((3-((4-((5-(2-((2,5-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)(ethyl)amino)ethyl dihydrogen phosphate;
- 25 ((2S)-1-(3-((4-((5-(2-((2,4-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;
  2-(1-(3-((4-((5-(2-((2,4-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)propyl)piperidin-2-yl)ethyl dihydrogen phosphate;
  2-{cyclopropyl[3-({4-[(5-{2-[(3-fluorophenyl)amino]-2-oxoethyl}-1,3-thiazol-2-yl)amino]-6-
- 30 methoxyquinazolin-7-yl}oxy)propyl]amino}ethyl dihydrogen phosphate;
  2-{cyclopropyl[3-({4-[(5-{2-[(2,3-difluorophenyl)amino]-2-oxoethyl}-1,3-thiazol-2-yl)amino}-6-methoxyquinazolin-7-yl}oxy)propyl]amino}ethyl dihydrogen phosphate;

WO 2004/058752 PCT/GB2003/005636

- (1-(2-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)ethyl)piperidin-4-yl)methyl dihydrogen phosphate; ((2R)-1-(2-((4-((5-(2-((2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)ethyl)pyrrolidin-2-yl)methyl dihydrogen phosphate;
- 5 2-(4-(2-((4-((5-(2-(2,3-difluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)ethyl)piperazin-1-yl)ethyl dihydrogen phosphate;
  2-(1-(2-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-methoxyquinazolin-7-yl)oxy)ethyl)piperidin-2-yl)ethyl dihydrogen phosphate;
  2-(1-(2-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6-
- methoxyquinazolin-7-yl)oxy)ethyl)piperidin-4-yl)ethyl dihydrogen phosphate;
  4-(ethyl(2-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6methoxyquinazolin-7-yl)oxy)ethyl)amino)butyl dihydrogen phosphate;
  2-(ethyl(2-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)-6methoxyquinazolin-7-yl)oxy)ethyl)amino)ethyl dihydrogen phosphate;
- 15 (1-(3-((4-((5-(2-((3-fluorophenyl)amino)-2-oxoethyl)-1,3-thiazol-2-yl)amino)quinazolin-7-yl)oxy)propyl)piperidin-4-yl)methyl dihydrogen phosphate; and
   2-{4-[({4-[(5-{2-[(3-fluorophenyl)amino]-2-oxoethyl}-1,3-thiazol-2-yl)amino]-6-methoxyquinazolin-7-yl}oxy)methyl]piperidin-1-yl}ethyl dihydrogen phosphate; or a pharmaceutically acceptable salt thereof.
   20
  - 10. A pharmaceutical composition comprising a compound according to any one of the preceding claims or a pharmaceutically acceptable salt thereof in association with a pharmaceutically acceptable diluent or carrier.
- 25 11. Use of a compound according to any one of claims 1 to 9 in therapy.

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- 12. Use of a compound according to any one of claims 1 to 9 in the preparation of a medicament for the treatment of a disease where the inhibition of one or more Aurora kinase is beneficial.
- 13. Use according to claim 12 wherein Aurora kinase is Aurora-A kinase or Aurora-B kinase.

14. Use of a compound according to any one of claims 1 to 9 or a pharmaceutically acceptable salt thereof, in the preparation of a medicament for the treatment of hyperproliferative diseases such as cancer and in particular colorectal, breast, lung, prostate, pancreatic or bladder and renal cancer or leukemias or lymphomas.

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15. A method of treating a human suffering from a disease in which the inhibition of one or more Aurora kinases is beneficial to the treatment, comprising the steps of administering to a person in need thereof a therapeutically effective amount of a compound as defined in claim 1 or a pharmaceutically acceptable salt thereof.

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16. A method of treating a human suffering from colorectal, breast, lung, prostate, pancreatic or bladder and renal cancer or leukemias or lymphomas, comprising the steps of administering to a person in need thereof a therapeutically effective amount of a compound as defined in claim 1 or a pharmaceutically acceptable salt thereof.

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17. A process for the preparation of a compound of formula (I) as defined in claim 1 or a pharmaceutically acceptable salt thereof, which process comprises converting a compound of formula (II) into a compound of formula (I) by phosphorylation of an appropriate hydroxy group:

$$R^3$$
 $R^5$ 
 $R^7$ 
 $R^6$ 
 $R^6$ 

20

formula (II)

where A, X, m, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>9</sup> are as defined for formula (I); **Z**' is a group selected from -NR<sup>1</sup>'R<sup>2</sup>', hydroxy, C<sub>3-6</sub>cycloalkyl which C<sub>3-6</sub>cycloalkyl is substituted by hydroxy or C<sub>1-4</sub>alkyl substitutent by hydroxy, and a 4- to 7-membered ring linked via a carbon atom, containing a nitrogen atom and optionally containing a further nitrogen atom which ring may be saturated, unsaturated or partially saturated, wherein the ring is substituted on carbon or nitrogen by hydroxy or C<sub>1-4</sub>alkyl substitutent by hydroxy, and wherein the ring is

WO 2004/058752 PCT/GB2003/005636

optionally further substituted by 1, 2 or 3 halo or  $C_{1-4}$ alkyl groups; and  $R^{1'}$  is  $-COR^{8'}$ ,  $-CONR^{8'}R^{9}$  or  $C_{1-6}$ alkyl which  $C_{1-6}$ alkyl is substituted by hydroxy and optionally further substituted on carbon or nitrogen by 1 or 2 halo or methoxy groups;  $R^{2'}$  is hydrogen,  $-COR^{10}$ ,  $-CONR^{10}R^{11}$ ,  $C_{1-6}$ alkyl which  $C_{1-6}$ alkyl is optionally substituted by 1, 2, or 3 halo or  $C_{1-6}$ 

- 5 4alkoxy groups or  $-S(O)_pR^{11}$  (where p is 0, 1 or 2) or hydroxy,  $C_{2-6}$ alkenyl,  $C_{2-6}$ alkynyl,  $C_{3-6}$ cycloalkyl and  $C_{3-6}$ cycloalkyl $C_{1-4}$ alkyl; or  $R^{1'}$  and  $R^{2'}$  together with the nitrogen to which they are attached form a 4- to 7- membered ring optionally containing a further nitrogen atom which may be saturated, unsaturated or partially saturated, wherein the ring is substituted on carbon or nitrogen by a group selected from hydroxy and  $C_{1-4}$ alkyl substituted by hydroxy or
- 10 -NR<sup>8</sup>'R<sup>9</sup> and where the ring is optionally further substituted on carbon or nitrogen by 1, 2 or 3 halo or C<sub>1.4</sub>alkyl groups; and where R<sup>8</sup>' is C<sub>1.4</sub>alkyl substituted by hydroxy and optionally further substituted by 1 or 2 halo or methoxy groups:

  and thereafter if necessary:
  - i) converting a compound of the formula (I) into another compound of the formula (I); and/or
- 15 ii) removing any protecting groups; and'or
  - iii) forming a pharmaceutically acceptable salt thereof